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## ASTM D618-05 Standard Practice for Conditioning Plastics for Testing

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### Abbreviation

ASTM D618-05

### Valid from

01/11/2005

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### Information provider

American Society of Testing and Materials

### Author

American Society of Testing and Materials

### Information type

ASTM Standard

### Format

PDF

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### Cited By

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### Description

This standard provides a practice for conditioning of plastics for testing. The conditioning procedures described in this practice are designed to give reproducible results under normal conditions of temperature and humidity.

In general, the physical and electrical properties of plastics are influenced by temperature and relative humidity in a manner that materially affects test results. In order that reliable comparisons may be made of different materials and between different laboratories, it is necessary to standardize the humidity conditions, as well as the temperature, to which specimens of these materials are subjected prior to and during testing. This practice defines procedures for conditioning plastics (although not necessarily to equilibrium) prior to testing, and the conditions under which they shall be tested.

For some materials, there may be a material specification that requires the use of this practice, but with some procedural modifications. The material specification takes precedence over this practice. Refer to the material specification before using this practice. Table 1 in Classification D 4000 lists the ASTM material specifications that currently exist.

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